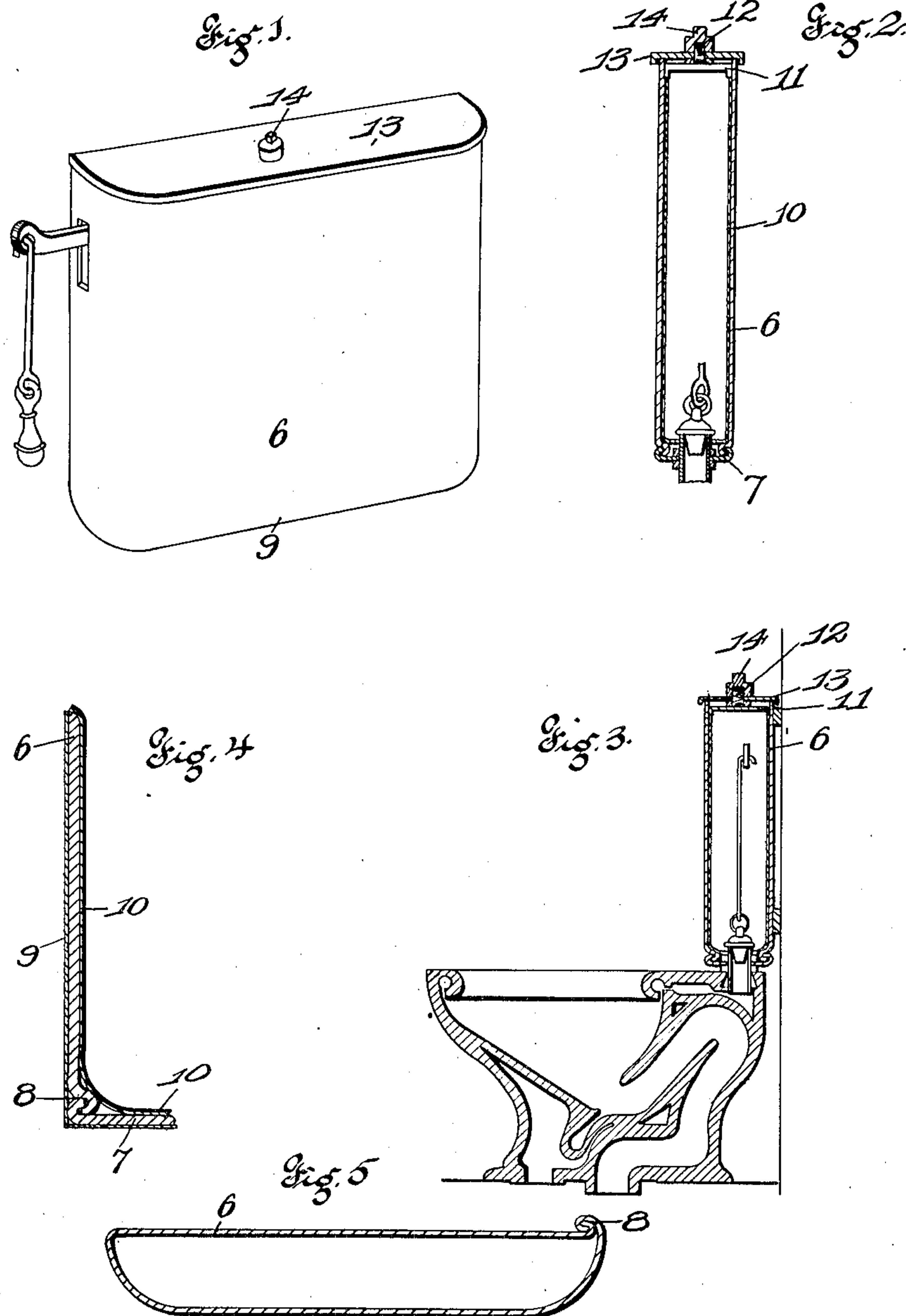


No. 849,436.

PATENTED APR. 9, 1907.

J. L. SULLIVAN.  
FLUSHING TANK FOR WATER CLOSETS.  
APPLICATION FILED APR. 2, 1906.



Witnesses  
H. L. L. L.  
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Inventor  
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by Hopkins & Evers Atty

# UNITED STATES PATENT OFFICE.

JOHN L. SULLIVAN, OF ST. LOUIS, MISSOURI, ASSIGNOR TO CAHILL, SWIFT  
MANUFACTURING COMPANY, OF ST. LOUIS, MISSOURI.

## FLUSHING-TANK FOR WATER-CLOSETS.

No. 849,436.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed April 2, 1906. Serial No. 309,537.

*To all whom it may concern:*

Be it known that I, JOHN L. SULLIVAN, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Flushing-Tanks for Water-Closets, of which the following is a specification.

My invention relates to improvements in flushing-tanks for water-closets, and consists of the novel arrangement, construction, and combination of parts, as will be fully hereinafter described and claimed.

The object of my invention is to construct a tank composed of sheet metal, the outer portion being enameled and the inside of the tank provided with a lining of non-corrodible material.

In the drawings, Figure 1 is a perspective view of my complete tank. Fig. 2 is a vertical cross-sectional view taken at mid-section. Fig. 3 is a vertical central sectional view of the same, shown in position with the closet. Fig. 4 is a detail sectional view of one portion of the tank, showing the enamel and the inner lining. Fig. 5 is a horizontal sectional view of the tank, showing the manner of crimping the edge for retaining the same in form.

Referring to the drawings in detail, I provide a tank 6, composed of sheet metal, the ends being connected together and interlocked, forming a crimped edge to prevent the use of rivets, solder, or the like. The bottom 7 of the tank is also connected to the walls of the tank by means of the edges being interlocked and crimped, as shown by the numeral 8. The outer surface of the tank and also the bottom is provided with an enameled surface 9 to give it the appearance of china or earthenware, as may be desired, and in the inside of the tank I provide a lining 10, made of copper, zinc, or such material that will not corrode by the excessive use of water within. At the top and in the center of the tank I provide a cross-bar 11, provided with a threaded stud 12, over which is fitted the cover 13 and held in position thereon by means of the nut 14 being screwed down upon the threaded stud 12. The tank is provided with suitable valves for the admission and discharge of the water and the usual le-

ver mechanism for operating the same, the construction of which I do not desire to cover by this application. The tank is held in position against the wall by passing screws through the upper portion of the rear wall of the tank. The most important feature in constructing a tank in this manner is to make a durable and neat-appearing device, as well as constructing it of a light material, which proves an important item in shipping the tank. I have found by practical experience, being in the plumbing-supply business, that the tanks now constructed are made of earthenware and are exceedingly heavy, and some being made of cast-iron, which also are very heavy, and in shipping such tanks at any distance the expense for same is very high, and in the earthenware tanks many become cracked or broken.

In constructing a tank of this character there is not a rivet used, but the edges in forming same are interlocked and securely crimped together, the outer surface then being coated with enamel, and the edges formed by the interlocking ends are completely covered with this enamel, which prevents leakage, yet by inserting the lining water is prevented from coming in contact with the outer section of the tank.

Having thus described my invention, what I claim as new, and desire to have secured to me by the grant of Letters Patent; is—

A tank of the class described, comprising an outer casing formed by interlocking their edges, a bottom secured to the outer casing, the edges interlocked with the edge of the casing, the outer surface of the casing and bottom covered with enamel, a lining of non-corrodible material located within the outer casing, a bar located at the top of the casing and provided with a threaded stud, and a cover located upon the casing and held in position thereon by a nut secured to the threaded trunnion, substantially as specified.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

JOHN L. SULLIVAN.

Witnesses:

JOHN F. CAHILL,  
HENRY R. KOSLOWSKY.